



Republic of the Philippines
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NATIONAL COFFEE RESEARCH, DEVELOPMENT AND EXTENSION CENTER


SUPPLY AND DELIVERY OF HYPERSPECTRAL CAMERA AND VIS-NIR SPECTROMETER FOR THE PCAARRD-FUNDED DEVELOPMENT OF UGV-UAV FOR SOIL NUTRIENT MAPPING OF COFFEE FARMS

ABC: Php 2,000,000.00


Item No.	Qty./ Unit	Item Description	Specifications	Unit Price (Php)	Total Price (Php)
1	1 unit	Hyperspectral Camera	<ul style="list-style-type: none">• Wavelength band (nm): 450-2290 (Band 2-7: RGB, NIR, SWIR)• Resolution: 20MP• Frame Rate: at least 120 fps• Wavelength resolution-FWHM: less than 5nm• Spatial Pixel: at least 320 pixels• Spectral Channel: at least 200 channels• Battery Operated/ Low Power Consumption• cross-platform SDK with API included• Lightweight (less than 1kg)• for Unmanned Aerial Vehicle application	1,000,000.00	1,000,000.00
2	1 unit	vis-NIR Spectrometer Sensor	<ul style="list-style-type: none">• Wavelength range (nm): 900-1700• Resolution (nm_fwhm): <4• Entrance Fiber: SMA905• Entrance Slit: <25µm• Weight: lightweight (<1.25kg)• Supply USB-powered: (5Vdc or 12Vdc)• A/D Resolution: 16 bit• Mode of Detection: Absorbance/Reflectance• Detector Array: InGaAs detector (at least 128 pixels)• Software included cross-platform SDK with API integratable on µPU/µCU/µComputer parts and components	1,000,000.00	1,000,000.00


**All items above must have at least one-year preventive maintenance services, at least 1-year warranty on parts and services.*

Prepared by:


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Noted/Certified Correct:


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